

WHAT IS CLAIMED IS:

1. A high-frequency knife, comprising:

an electrically insulating flexible sheath having  
a distal end and a proximal end;

5           an operation member having a distal end and  
a proximal end, and movable in an axial direction in  
the sheath;

          an electrode part provided on the distal end of  
the operation member, at least a part of the electrode  
10       part being axially projected from and retracted in the  
distal end of the sheath, the electrode part having  
a rod electrode part extending in the axial direction  
of the sheath and a plate electrode part disposed on  
a distal end of the rod electrode part, the plate  
15       electrode part including a plane surface part extending  
in a direction crossing the axis direction of the  
sheath,

          a handheld operation section provided on the  
proximal end of the sheath, the operation section  
20       having a slider part which moves the operation member  
in the axial direction of the sheath; and

          a connector part provided on the slider part, and  
having an internal end portion and an external end  
portion, the external end portion being electrically  
25       connected with a cord communicating with a high-  
frequency generating source, and the internal end  
portion being electrically connected with the electrode

part through the operation member.

2. A high-frequency knife according to claim 1, wherein the plate electrode part has a plurality of hook portions on its external periphery.

5           3. A high-frequency knife according to claim 2, wherein the plate electrode part has a disc, and

            the hook portions has a plurality of projections provided on an external peripheral surface of the disc, the projections being arranged along a line in a  
10           peripheral direction on the external peripheral surface of the disc.

4. A high-frequency knife according to claim 2, wherein the plate electrode part has a polygonal plate.

5. A high-frequency knife according to claim 4,  
15           wherein the polygonal plate has a triangular shape, and the hook portions are corner portions of the triangular plate.

6. A high-frequency knife according to claim 5, wherein the corner portions has sharp edge.

20           7. A high-frequency knife according to claim 3, wherein the plate electrode part has a plurality of rod arms projected outward from a central portion of the plate electrode part, and the arms being connected to each other to form a polygonal shape.

25           8. A high-frequency knife according to claim 1, wherein the sheath has at its distal end a receiving part for the plate electrode part.